

PATENT**PENDING CLAIMS**

1. (Original) A testing chamber comprising:
a holder adapted to support a wireless communication device under test; and
an antenna arrangement positioned on an inner wall of the testing chamber, the
antenna arrangement adapted to be coupled to a data processing device to transmit shaped beams
of signals, and to detect incident signals transmitted from the wireless communication device.
2. (Original) The testing chamber of claim 1, wherein the holder is movable.
3. (Original) The testing chamber of claim 1, wherein the testing chamber is
spherical.
4. (Original) The testing chamber of claim 1, wherein the antenna arrangement
comprises an array of antennas distributed about the inner wall.
5. (Original) The testing chamber of claim 1, wherein the testing chamber is
configured to form a ring around the wireless communication device.
6. (Original) The testing chamber of claim 1, wherein the testing chamber includes
an inner surface covered with a signal absorbing material.
7. (Original) The testing chamber of claim 1, wherein the antenna arrangement
comprises an array of antennas distributed about the inner wall and electrically configured so as
to be at least one of selectively, sequentially and simultaneously activated.
8. (Original) The testing chamber of claim 1, wherein the antenna arrangement
comprises at least one antenna, and at least one of the phase and amplitude of signals transmitted
therefrom are selectively shifted.
9. (Original) An apparatus comprising:

PATENT

a chamber including an array of antennas positioned within an inner wall thereof for receiving and transmitting signals; and

a data processing device to selectively control the activation of the array of antennas, to modulate the characteristics of the receive or transmit signals of the array of antennas and to determine the magnitude of the transmit and receive signals reflected off the inner wall.

10. (Original) The apparatus of claim 9, wherein the data processing device is configured to modulate the phase, amplitude, timing, and spatial orientation of the receive and transmit signals.

11. (Original) The apparatus of claim 10, wherein the data processing device includes a holder adapted to support a wireless communication device under test positioned within the chamber for testing its radiated performance.

12. (Original) The apparatus of claim 11, wherein the holder is movable.

13. (Original) The apparatus of claim 12, wherein the chamber is spherical shaped.

14. (Original) The apparatus of claim 13, wherein the array of antennas form a ring along the inner wall of the chamber.

15. (Original) The apparatus of claim 14, wherein the chamber includes an inner surface covered with a signal absorbing material.

16. (Original) The apparatus of claim 12, wherein the array of antennas substantially encapsulate the inner wall of the chamber.

17. (Original) The apparatus of claim 16, wherein the chamber includes an inner surface covered with a signal absorbing material.

PATENT

18. (Original) The apparatus of claim 9, wherein the data processing device selectively controls the activation of the array of antennas adjusts in response to multi-path propagation created within the chamber by a wireless communication device under test.

19. (Original) The apparatus of claim 18, wherein the array of antennas is electrically configured so as to be at least one of selectively, sequentially and simultaneously activated.

20. (Original) The apparatus of claim 9, wherein the array of antennas is electrically configured so as to be at least one of selectively, sequentially and simultaneously activated.